

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A touch panel for a display device having a driver IC, comprising:

upper and lower substrates;

first and second transparent electrodes on opposing surfaces of the upper and lower substrates;

first and second metal electrodes being electrically connected to the first transparent electrode in the periphery of the first transparent electrode along a first direction, and third and fourth metal electrodes being electrically connected to the second transparent electrode in the periphery of the upper and lower sides on the second transparent electrode along a second direction substantially perpendicular to the first direction;

a flexible printed cable having a plurality of signal applying lines extended from the upper and lower substrates to a rear side of the display device for applying signal voltages to the metal electrodes, wherein the flexible printed cable is bent over an edge of the upper and lower substrates from a top to a bottom of the display device, and has a first part extended from the edge of the display device to connect the signal applying lines to the plurality of metal electrodes, a second part extended from the first part and overlapping the driver IC, and a plurality of through-holes between the first part and the second part, the first and second parts being perpendicular to each other,

wherein the drive IC is arranged on the rear side of the display device and a portion of first signal applying lines of the plurality of signal applying lines on a lower surface of the first part of the flexible printed cable connects to a portion of the first signal applying lines of the plurality of signal applying lines on an upper surface of the second part of the flexible printed cable through the plurality of through holes, so that the signal applying lines aren't directly contact with the driver IC.

2-3. (Canceled)

4. (Original) The touch panel of claim 1, wherein the flexible printed cable extends through the driver IC of the display device to be connected to a printed circuit board.

5. (Previously Presented) The touch panel of claim 1, wherein the signal applying lines for applying signals to the metal electrodes on the upper substrate are printed on the upper surface of the first part of the flexible printed cable, and the signal applying lines for applying signals to the metal electrodes on the lower substrate are printed on the lower surface of the first part of the flexible printed cable.

6. (Canceled)

7. (Previously Presented) The touch panel of claim 1, wherein the first, second, third, and fourth metal electrodes are connected to first, second, third, and fourth signal applying lines of the plurality of signal applying lines.

8. (Original) The touch panel of claim 1, wherein the display device is a liquid crystal display device.

9. (Previously Presented) A method of fabricating a touch panel for a display device having a driver IC, comprising:

forming upper and lower substrates;

forming first and second transparent electrodes on opposing surfaces of the upper and lower substrates;

forming first and second metal electrodes being electrically connected to the first transparent electrode in the periphery the first transparent electrode along a first direction, and third and fourth metal electrodes being electrically connected to the second transparent electrode in the periphery of the upper and lower sides on the second transparent electrode along a second direction substantially perpendicular to the first direction; and

forming a flexible printed cable having a plurality of signal applying lines extended from the upper and lower substrates to a rear side of the display device for applying signal voltages to the metal electrode, wherein the flexible printed cable is bent over an edge of the upper and lower substrates from a top to a bottom of the display device, and has a first part extended from the edge of the display device to connect the signal applying lines to the plurality of metal electrodes, a second part extended from the first part and overlapping the driver IC, and a plurality of through-holes between the first part and the second part, the first and second parts being perpendicular to each other,

wherein the drive IC is arranged on the rear side of the display device and a portion of first signal applying lines of the plurality of signal applying lines on a lower surface of the first part of the flexible printed cable connect to a portion of the first signal applying lines of the plurality of signal applying lines on an upper surface of the second part of the flexible printed cable through the plurality of through holes, so that the signal applying lines aren't directly contact with the driver IC.

10-11. (Canceled)

12. (Previously Presented) The method of claim 9, wherein the flexible printed cable extends through the driver IC of the display device to be connected to a printed circuit board.

13. (Previously Presented) The method of claim 9, wherein the signal applying lines for applying signals to the metal electrodes on the upper substrate are printed on the upper surface of the first part of the flexible printed cable, and the signal applying lines for applying signals to the metal electrodes on the lower substrate are printed on the lower surface of the first part of the flexible printed cable.

14. (Canceled)

15. (Previously Presented) The method of claim 9, wherein the first, second, third, and fourth metal electrodes are connected to first, second, third, and fourth signal applying lines of the plurality of signal applying lines.

16. (Previously Presented) The method of claim 9, wherein the display device is a liquid crystal display device.